Package ‘spotifyr’

October 14, 2022

Title     R Wrapper for the 'Spotify' Web API
Version   2.2.3
Date      2021-11-02
Description An R wrapper for pulling data from the 'Spotify' Web API
             <https://developer.spotify.com/documentation/web-api/> in bulk, or post items on a
             'Spotify' user's playlist.
Maintainer Daniel Antal <daniel.antal@ceemid.eu>
Depends   R (>= 3.3.0)
Imports   dplyr, purrr, tidyr, httr, lubridate, jsonlite, readr, rvest,
          stringr, tibble, janitor, rlang, ggridges, magrittr, genius,
          assertthat, xml2
License   MIT + file LICENSE
Encoding  UTF-8
RoxygenNote 7.1.2
Suggests  testthat (>= 3.0.0)
URL       https://github.com/charlie86/spotifyr
BugReports https://github.com/charlie86/spotifyr/issues
Config/testthat/edition 3
NeedsCompilation no
Author    Charlie Thompson [aut],
          Daniel Antal [aut, cre] (<https://orcid.org/0000-0001-7513-6760>),
          Josiah Parry [aut] (<https://orcid.org/0000-0001-9910-865X>),
          Donal Phipps [aut],
          Tom Wolff [aut]
Repository CRAN
Date/Publication 2021-11-02 18:00:02 UTC
R topics documented:

add_tracks_to_playlist ........................................... 3
change_playlist_details ......................................... 4
check_me_following ................................................ 5
check_users_following ............................................. 6
create_playlist ..................................................... 7
dedupe_album_names .............................................. 8
follow_artists_or_users ........................................... 9
follow_playlist ..................................................... 9
get_album ........................................................... 10
get_albums .......................................................... 11
get_album_tracks ................................................... 12
get_artist ............................................................ 13
get_artists ........................................................... 14
get_artist_albums .................................................... 14
get_artist_audio_features ....................................... 16
get_artist_top_tracks ............................................. 17
get_categories ....................................................... 18
get_category ........................................................ 18
get_category_playlists ............................................ 19
get_discography ...................................................... 20
get_featured_playlists ............................................. 21
get_genre_artists .................................................... 22
get_label_artists ..................................................... 24
get_my_currently_playing ....................................... 25
get_my_current_playback ....................................... 26
get_my_devices ...................................................... 27
get_my_followed_artists .......................................... 27
get_my_playlists .................................................... 28
get_my_profile ...................................................... 29
get_my_recently_played ........................................... 30
get_my_saved_albums .............................................. 31
get_my_saved_tracks .............................................. 32
get_my_top_artists_or_tracks ................................... 33
get_new_releases .................................................... 34
get_playlist .......................................................... 35
get_playlist_audio_features ..................................... 36
get_playlist_cover_image ....................................... 37
get_playlist_tracks ............................................... 37
get_recommendations .............................................. 39
get_recommendations_all ......................................... 44
get_related_artists ............................................... 45
get_show ............................................................. 46
get_shows ............................................................ 46
get_show_episodes ................................................. 47
get_spotify_access_token ....................................... 48
get_spotify_authorization_code ............................... 49
**Add Tracks to User’s Playlist**

**Description**

Add one or more tracks to a user’s playlist.

**Usage**

```python
add_tracks_to_playlist(
    playlist_id,  # required
    uris,  # required
    position = NULL,  # optional; defaults to NULL
    authorization = get_spotify_authorization_code()
)
```
Arguments

playlist_id  Required. The Spotify ID for the playlist.

uris  Optional. A character vector of Spotify track URIs to add. For example:
uris = c("61H97kuKipi6kJQRnUEIlh", "2q6vlgBJ432KeZZNm2ZZBv")
A maximum of 100 tracks can be added in one request. The uris will be formed
as uris = c("spotify If you have the "spotify:track:" prefix in your vector it
will not be duplicated, otherwise it will be added.

position  Optional. Integer indicating the position to insert the tracks, a zero-based index.
For example, to insert the tracks in the first position: position = 0; to insert
the tracks in the third position: position = 2. If omitted, the tracks will be
appended to the playlist. Tracks are added in the order they are listed in the
query string or request body.

authorization  Required. A valid access token from the Spotify Accounts service. See the Web
API authorization Guide for more details. Defaults to spotifyr::get_spotify_authorization_code().
The access token must have been issued on behalf of the current user.
Adding tracks to the current user’s public playlists requires authorization of the
playlist-modify-public scope; adding tracks to the current user’s private
playlist (including collaborative playlists) requires the playlist-modify-private
scope. See Using Scopes.

Value

The response from the Spotify Web API on the POST request, with a meaningful error message if
the operation was not successful.

See Also

Other playlist functions: change_playlist_details(), check_users_following(), create_playlist(),
get_my_playlists(), get_playlist(), get_user_playlists(), remove_tracks_from_playlist(),
tidy()
**check_me_following**

```r
collaborative = NULL,
description = NULL,
authorization = get_spotify_authorization_code()
)
```

**Arguments**

- **playlist_id** Required. The Spotify ID for the playlist.
- **name** Optional. String containing the name for the new playlist, for example "Your Coolest Playlist". This name does not need to be unique; a user may have several playlists with the same name.
- **public** Optional. Boolean. If TRUE the playlist will be public. If FALSE it will be private.
- **collaborative** Optional. Boolean. If TRUE the playlist will become collaborative and other users will be able to modify the playlist in their Spotify client. Note: you can only set collaborative to TRUE on non-public playlists.
- **description** Optional. String containing the playlist description as displayed in Spotify Clients and in the Web API.
- **authorization** Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user. Changing a public playlist for a user requires authorization of the `playlist-modify-public` scope; changing a private playlist requires the `playlist-modify-private` scope. See Using Scopes.

**Value**

The response from the Spotify Web API on the PUT request, with a meaningful error message if the operation was not successful.

**See Also**

Other playlist functions: `add_tracks_to_playlist()`, `check_users_following()`, `create_playlist()`, `get_my_playlists()`, `get_playlist()`, `get_user_playlists()`, `remove_tracks_from_playlist()`, `tidy()`

---

**check_me_following**: **Check Me Following**

**Description**

Check if the current user is following specific artists or users.

**Usage**

```r
check_me_following(type, ids, authorization = get_spotify_authorization_code())
```
Arguments

**type**  
Required. String of the ID type: either "artist" or "user".

**ids**  
Required. A character vector of the artist or the user Spotify IDs to check. For example: `ids = c("74ASZwbe41XaubB36ztrGX", "08td7MxkoHqkXnWAYD8d6Q").` A maximum of 50 IDs can be sent in one request.

**authorization**  
Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`.

The access token must have been issued on behalf of the current user. Getting details of the artists or users the current user follows requires authorization of the `user-follow-read` scope. See Using Scopes.

Value

A data frame containing three columns, "type", the "id" of the artist or users and "is_following" as a logical, boolean variable.

---

**check_users_following**  
*Check if Users Follow a Playlist*

**Description**

Check if particular users are following a particular playlist.

**Usage**

```r
cHECK_USERS_FOLLOWING(  
  playlist_id,  
  ids,  
  authorization = get_spotify_authorization_code()  
)
```

**Arguments**

**playlist_id**  
Required. The Spotify ID of the playlist.

**ids**  
Required. Spotify User IDs; the ids of the users that you want to check to see if they follow the playlist. Maximum: 5 ids.

**authorization**  
Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details.

Following a playlist can be done publicly or privately. Checking if a user publicly follows a playlist doesn’t require any scopes; if the user is publicly following the playlist, this endpoint returns TRUE.

Checking if the user is privately following a playlist is only possible for the current user when that user has granted access to the `playlist-read-private` scope. See Using Scopes.
create_playlist

Value

A data frame containing three columns, "user_id" for the particular users, "playlist_id" for the particular playlists, "is_following" as a logical, boolean variable.

See Also

Other playlist functions: add_tracks_to_playlist(), change_playlist_details(), create_playlist(), get_my_playlists(), get_playlist(), get_user_playlists(), remove_tracks_from_playlist(), tidy()

create_playlist    Create Playlist for User

Description

Create a playlist for a Spotify user. The playlist will be empty until you add tracks.

Usage

create_playlist(
  user_id,
  name,
  public = TRUE,
  collaborative = FALSE,
  description = NULL,
  authorization = get_spotify_authorization_code()
)

Arguments

user_id Required. The user’s Spotify user ID.
name Required. String containing the name for the new playlist, for example "Your Coolest Playlist". This name does not need to be unique; a user may have several playlists with the same name.
public Optional. Boolean. Defaults to TRUE. If TRUE the playlist will be public. If FALSE it will be private. To be able to create private playlists, the user must have granted the playlist-modify-private scope.
collaborative Optional. Boolean. Defaults to FALSE. If TRUE the playlist will be collaborative. Note that to create a collaborative playlist you must also set public to FALSE. To create collaborative playlists you must have granted playlist-modify-private and playlist-modify-public scopes.
description Optional. String containing the playlist description as displayed in Spotify Clients and in the Web API.
dedupe_album_names

**authorization**

Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user.

Creating a public playlist for a user requires authorization of the `playlist-modify-public` scope; creating a private playlist requires the `playlist-modify-private` scope. See Using Scopes.

**Value**

The response from the Spotify Web API on the POST request, with a meaningful error message if the operation was not successful.

**See Also**

Other playlist functions: `add_tracks_to_playlist()`, `change_playlist_details()`, `check_users_following()`, `get_my_playlists()`, `get_playlist()`, `get_user_playlists()`, `remove_tracks_from_playlist()`, `tidy()`

---

**dedupe_album_names**

*Remove duplicate album names*

**Description**

Use fuzzy matching to remove duplicate album names (including reissues, remasters, etc).

**Usage**

```r
dedupe_album_names(
  df,
  album_name_col = "album_name",
  album_release_year_col = "album_release_year"
)
```

**Arguments**

- `df` Data frame with album name
- `album_name_col` String of field name containing album names
- `album_release_year_col` String of field name containing album release year

**Value**

The original data frame with distinct `album_name` rows, keeping as much as possible the original album release (and not re-releases.)
follow_artists_or_users

Add Current User as Follower Artists or Other Users

Description

Add the current user as a follower of one or more artists or other Spotify users.

Usage

```r
follow_artists_or_users(
  type,
  ids = NULL,
  authorization = get_spotify_authorization_code()
)
```

Arguments

- `type` Required. The ID type: either "artist" or "user".
- `ids` Optional. A character vector of the artist or the user Spotify IDs. For example: `ids = c("74ASZWbe41XaubB36ztrGX", "08td7MxkoHqkXnWAYD8d6Q")`. A maximum of 50 IDs can be sent in one request.
- `authorization` Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user. Modifying the list of artists or users the current user follows requires authorization of the `user-follow-modify` scope. See Using Scopes.

Value

The response from the Spotify Web API on the PUT request, with a meaningful error message if the operation was not successful.

follow_playlist

Add Current User to Followers of Playlist.

Description

Add Current User to Followers of Playlist.

Usage

```r
follow_playlist(
  playlist_id,
  public = FALSE,
  authorization = get_spotify_authorization_code()
)
```
Arguments

playlist_id  Required. The Spotify ID of the playlist. Any playlist can be followed, regardless of its public/private status, as long as you know its playlist ID.

public  Optional. Defaults to TRUE. If TRUE the playlist will be included in the user’s public playlists, if FALSE it will remain private. To be able to follow playlists privately, the user must have granted the playlist-modify-private scope.

authorization  Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`.

The access token must have been issued on behalf of the current user.

Following a publicly followed playlist for a user requires authorization of the playlist-modify-public scope; following a privately followed playlist requires the playlist-modify-private scope. See Using Scopes.

Note that the scopes you provide relate only to whether the current user is following the playlist publicly or privately (i.e. showing others what they are following), not whether the playlist itself is public or private.

Value

The response from the Spotify Web API on the PUT request, with a meaningful error message if the operation was not successful.

get_album

Get Spotify catalog information for a single album.

Description

Get Spotify catalog information for a single album.

Usage

get_album(id, market = NULL, authorization = get_spotify_access_token())

Arguments

id  The Spotify ID for the album.

market  Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking.

authorization  Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`.

Value

Returns a data frame of results containing album data. See the official documentation for more information.
**get_albums**

Get Spotify catalog information for multiple albums identified by their Spotify IDs.

**Description**

Get Spotify catalog information for multiple albums identified by their Spotify IDs.

**Usage**

```r
get_albums(
  ids,
  market = NULL,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)
```

**Arguments**

- **ids**

- **market**
  Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking.

- **authorization**
  Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`.

- **include_meta_info**
  Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

**Value**


**See Also**

Other album functions: `get_album()`, `get_discography()`
get_album_tracks

Get Spotify catalog information about an album’s tracks. Optional parameters can be used to limit the number of tracks returned.

Description

Get Spotify catalog information about an album’s tracks. Optional parameters can be used to limit the number of tracks returned.

Usage

get_album_tracks(
  id,
  limit = 20,
  offset = 0,
  market = NULL,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)

Arguments

id Required. The Spotify ID for the album.

limit Optional. Maximum number of results to return.
  Default: 20
  Minimum: 1
  Maximum: 50
  Note: The limit is applied within each type, not on the total response.
  For example, if the limit value is 3 and the type is c("artist", "album"), the response contains 3 artists and 3 albums.

offset Optional. The index of the first album to return.
  Default: 0 (the first album).
  Maximum offset (including limit): 10,000.
  Use with limit to get the next page of albums.

market Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking

authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to spotifyr::get_spotify_access_token()

include_meta_info Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.
get_artist

Value

Returns a data frame of results containing album data. See the official API documentation for more information.

See Also

Other track functions: get_playlist_tracks(), get_tracks(), get_track()

| get_artist | Get Spotify catalog information for a single artist identified by their unique Spotify ID. |

Description

Get Spotify catalog information for a single artist identified by their unique Spotify ID.

Usage

get_artist(id, authorization = get_spotify_access_token())

Arguments

id

The Spotify ID for the artist.

authorization

Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to spotfir::get_spotify_access_token()

Value


See Also

Other artist functions: get_artist_albums(), get_artist_top_tracks(), get_artists(), get_my_followed_artists(), get_related_artists()
get_artists

Get Spotify catalog information for multiple artists identified by their Spotify IDs.

Description

Get Spotify catalog information for multiple artists identified by their Spotify IDs.

Usage

get_artists(
  ids,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)

Arguments

ids
  Required. A character vector of the Spotify IDs for the artists. Maximum: 50 IDs.
authorization
  Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()
include_meta_info
  Optional. Boolean indicating whether to include full result, with meta information such as "total" and "limit". Defaults to FALSE.

Value


See Also

Other artist functions: get_artist_albums(), get_artist_top_tracks(), get_artist(), get_my_followed_artists(), get_related_artists()
get_artist_albums

Usage

get_artist_albums(
  id,
  include_groups = c("album", "single", "appears_on", "compilation"),
  market = NULL,
  limit = 20,
  offset = 0,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)

Arguments

id The Spotify ID for the artist.
include_groups Optional. A character vector of keywords that will be used to filter the response.
  If not supplied, all album types will be returned. Valid values are:
  "album"
  "single"
  "appears_on"
  "compilation"
  For example: include_groups = c("album", "single")
market Optional.
  An ISO 3166-1 alpha-2 country code or the string "from_token".
  Supply this parameter to limit the response to one particular geographical market. For example, for albums available in Sweden: market = "SE".
  If not given, results will be returned for all markets and you are likely to get du-
  plicate results per album, one for each market in which the album is available!
limit Optional.
  Maximum number of results to return.
  Default: 20
  Minimum: 1
  Maximum: 50
offset Optional.
  The index of the first album to return.
  Default: 0 (i.e., the first album).
  Use with limit to get the next set of albums.
authorization Required. A valid access token from the Spotify Accounts service. See the Web
  API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()
include_meta_info Optional. Boolean indicating whether to include full result, with meta informa-
  tion such as "total", and "limit". Defaults to FALSE.

Value

Returns a data frame of results containing artist data. See https://developer.spotify.com/
  documentation/web-api/reference/artists/get-several-artists/ for more information.
get_artist_audio_features

Get Audio Features For Artists’ Discography

Description

Get audio feature information for all or part of an artists’ discography.

Usage

get_artist_audio_features(
  artist = NULL,
  include_groups = "album",
  return_closest_artist = TRUE,
  dedupe_albums = TRUE,
  market = NULL,
  authorization = get_spotify_access_token()
)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>artist</td>
<td>Required. String of either an artist name or an artist Spotify ID. If an artist name is provided, <code>search_spotify()</code> will be used to find a Spotify ID matching the name provided.</td>
</tr>
</tbody>
</table>
| include_groups    | Optional. A character vector of keywords that will be used to filter the response. Defaults to "album". Valid values are: "album"
|                   | "single"
|                   | "appears_on"
|                   | "compilation"
|                   | For example: `include_groups = c("album", "single")` |
| return_closest_artist | Optional. Boolean. |
| dedupe_albums     | Optional. Logical, boolean parameter, defaults to TRUE. |
| market            | Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Supply this parameter to limit the response to one particular geographical market. For example, for albums available in Sweden: `market = "SE"`. If not given, results will be returned for all markets and you are likely to get duplicate results per album, one for each market in which the album is available! |
| authorization     | Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()` |
**get_artist_top_tracks**  

Get Spotify catalog information about an artist’s top tracks by country.

**Description**  

Get Spotify catalog information about an artist’s top tracks by country.

**Usage**

```r
get_artist_top_tracks(
  id,
  market = "US",
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)
```

**Arguments**

- `id`  
  The Spotify ID for the artist.
- `market`  
  Required. 
  An ISO 3166-1 alpha-2 country code or the string "from_token". Defaults to "US".
- `authorization`  
  Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotyr::get_spotify_access_token()`.
- `include_meta_info`  
  Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

**Value**


**See Also**

Other artist functions: `get_artist_albums()`, `get_artists()`, `get_artist()`, `get_my_followed_artists()`, `get_related_artists()`
get_categories  
Get a list of Spotify categories

Description
Get a list of Spotify categories

Usage
get_categories(authorization = get_spotify_access_token(), df = TRUE)

Arguments
authorization  Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to spotifyr::get_spotify_access_token()
df  Should the results be formatted as a data frame? If FALSE, the full response JSON will be returned as a list; defaults to TRUE.

Value
Returns a data frame of results containing album data. See https://developer.spotify.com/documentation/web-api/reference/browse/get-list-categories/ for more information.

get_category  
Get a single category used to tag items

Description
Get a single category used to tag items in Spotify (on, for example, the Spotify player’s “Browse” tab).

Usage
get_category(
  category_id,
  country = NULL,
  locale = NULL,
  authorization = get_spotify_access_token()
)
get_category_playlists

**Arguments**

- **category_id**  
  Required. The Spotify ID for the category.

- **country**  
  Optional. A country: an ISO 3166-1 alpha-2 country code. Provide this parameter to ensure that the category exists for a particular country.

- **locale**  
  Optional. The desired language, consisting of an ISO 639-1 language code and an ISO 3166-1 alpha-2 country code, joined by an underscore. For example: es_MX, meaning "Spanish (Mexico)". Provide this parameter if you want the category strings returned in a particular language. Note that, if locale is not supplied, or if the specified language is not available, the category strings returned will be in the Spotify default language (American English).

- **authorization**  
  Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotifyr::get_spotify_access_token()`

**Value**


---

get_category_playlists

*Get a list of Spotify playlists tagged with a particular category*

**Description**

Get a list of Spotify playlists tagged with a particular category

**Usage**

```r
get_category_playlists(
  category_id = "party",
  country = NULL,
  limit = 20,
  offset = 0,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)
```

**Arguments**

- **category_id**  
  Required. The Spotify ID for the category.

- **country**  

- **limit**  
get_discography

Description
Retrieve the entire discography of an artist with the lyrics of each song and the associated audio information. Returns the song data as a nested tibble. This way we can easily see each album, artist, and song title before expanding our data.

Usage
get_discography(artist, authorization = get_spotify_access_token())

Arguments
artist The quoted name of the artist. Spelling matters, capitalization does not.
authorization Authorization token for Spotify web API. Defaults to get_spotify_access_token().

Value
A nested tibble. See tidyr::nest.

See Also
Other album functions: get_albums(), get_album()
get_featured_playlists

Examples

rex_orange <- get_discography("Rex Orange County")

get_featured_playlists

Get list of Spotify featured playlists

Description

Get a list of Spotify featured playlists (as shown, for example, on a Spotify player’s ‘Browse’ tab)

Usage

get_featured_playlists(
    locale = NULL,
    country = NULL,
    timestamp = NULL,
    limit = 20,
    offset = 0,
    authorization = get_spotify_access_token(),
    include_meta_info = FALSE
)

Arguments

locale Optional. The desired language, consisting of an ISO 639-1 language code and an ISO 3166-1 alpha-2 country code, joined by an underscore. For example: es_MX, meaning "Spanish (Mexico)". Provide this parameter if you want the category strings returned in a particular language. Note that, if locale is not supplied, or if the specified language is not available, the category strings returned will be in the Spotify default language (American English). The locale parameter, combined with the country parameter, may give odd results if not carefully matched. For example country=SE&locale=de_DE will return a list of categories relevant to Sweden but as German language strings.

country Optional. A country: an ISO 3166-1 alpha-2 country code. Provide this parameter if you want the list of returned items to be relevant to a particular country. If omitted, the returned items will be relevant to all countries.

timestamp Optional. A timestamp in ISO 8601 format: yyyy-MM-ddTHH:mm:ss. Use this parameter to specify the user’s local time to get results tailored for that specific date and time in the day. If not provided, the response defaults to the current UTC time. Example: “2014-10-23T09:00:00” for a user whose local time is 9AM. If there were no featured playlists (or there is no data) at the specified time, the response will revert to the current UTC time.

offset Optional. The index of the first item to return. Defaults to 0, i.e., the first object. Use with limit to get the next set of items.

authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotifyr::get_spotify_access_token()`.

include_meta_info Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

Value


Examples

```r
## Get Flemish-Dutch playlists from Belgium:
get_featured_playlists(
  country = "BE",
  locale = "nl_BE"
)
```

---

**get_genre_artists**

*Search for Artists by Genre*

Description

Get Spotify Catalog information about artists belonging to a given genre.

Usage

```r
get_genre_artists(
  genre = character(),
  market = NULL,
  limit = 20,
  offset = 0,
  authorization = get_spotify_access_token()
)
```
get_genre_artists

Arguments

genre Required.
String of genre name to search for
For example: genre = "wonky".

market Optional.
An ISO 3166-1 alpha-2 country code or the string "from_token".
If a country code is specified, only artists with content that is playable in that market is returned.
Note:
- If market is set to "from_token", and a valid access token is specified in the request header, only content playable in the country associated with the user account is returned.
- Users can view the country that is associated with their account in the account settings. A user must grant access to the user-read-private scope prior to when the access token is issued.

limit Optional.
Maximum number of results to return.
Default: 20
Minimum: 1
Maximum: 50

offset Optional.
The index of the first result to return.
Default: 0 (the first result).
Maximum offset (including limit): 10,000.
Use with limit to get the next page of search results.

authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotifyr::get_spotify_access_token()`

Value

A data frame of the artists belonging to the genre with data and metadata about the artists in a tibble.

See Also

Other musicology functions: `get_artist_audio_features()`, `get_playlist_audio_features()`, `get_track_audio_analysis()`, `get_track_audio_features()`, `get_user_audio_features()`

Examples

get_genre_artists('wonky')
get_label_artists  
Search for artists by label

Description
Get Spotify Catalog information about artists belonging to a given label.

Usage
```r
get_label_artists(
  label = character(),
  market = NULL,
  limit = 20,
  offset = 0,
  authorization = get_spotify_access_token()
)
```

Arguments
- **label**: Required. String of label name to search for. For example: `label = "brainfeeder"`.
- **market**: Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". If a country code is specified, only artists with content that is playable in that market is returned. Note:
  - If `market` is set to "from_token", and a valid access token is specified in the request header, only content playable in the country associated with the user account is returned.
  - Users can view the country that is associated with their account in the account settings. A user must grant access to the user-read-private scope prior to when the access token is issued.
- **limit**: Optional. Maximum number of results to return. Default: 20 Minimum: 1 Maximum: 50
- **offset**: Optional. The index of the first result to return. Default: 0 (the first result). Maximum offset (including limit): 10,000. Use with limit to get the next page of search results.
- **authorization**: Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotifyr::get_spotify_access_token()`
**get_my_currently_playing**

Get the object currently being played on the user’s Spotify account.

**Description**

Get the object currently being played on the user’s Spotify account.

**Usage**

```
get_my_currently_playing(
  market = NULL,
  authorization = get_spotify_authorization_code()
)
```

**Arguments**

- **market**: An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply [Track Relinking](https://developer.spotify.com/documentation/general/guides/track-relinking-guide/).
- **authorization**: Required. A valid access token from the Spotify Accounts service. See the [Web API authorization guide](https://developer.spotify.com/documentation/web-api/guides/authorization-guide/) for more details. Defaults to `spotifyr::get_spotify_access_token()`.
  - The access token must have been issued on behalf of the current user.
  - The access token must have the `user-read-currently-playing` and/or `user-read-playback-state` scope authorized in order to read information.

**Value**


**See Also**

Other player functions: `get_my_current_playback()`, `get_my_devices()`, `get_my_recently_played()`, `pause_my_playback()`, `seek_to_position()`, `set_my_repeat_mode()`, `skip_my_playback_previous()`, `skip_my_playback()`, `start_my_playback()`, `toggle_my_shuffle()`, `transfer_my_playback()`
get_my_current_playback

Get information about the user’s current playback state, including track, track progress, and active device.

Description

Get information about the user’s current playback state, including track, track progress, and active device.

Usage

get_my_current_playback(
  market = NULL,
  authorization = get_spotify_authorization_code()
)

Arguments

market An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking

authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to spotifyr::get_spotify_access_token(). The access token must have been issued on behalf of the current user.

The access token must have the user-read-playback-state scope authorized in order to read information.

Value

Returns a list containing user playback information. See the official Spotify Web API documentation for more information.

See Also

Other player functions: get_my_currently_playing(), get_my_devices(), get_my_recently_played(), pause_my_playback(), seek_to_position(), set_my_repeat_mode(), skip_my_playback_previous(), skip_my_playback(), start_my_playback(), toggle_my_shuffle(), transfer_my_playback()
get_my_devices

Get information about a user’s available devices.

Description

Get information about a user’s available devices.

Usage

get_my_devices(authorization = get_spotify_authorization_code())

Arguments

authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`. The access token must have been issued on behalf of the current user. The access token must have the `user-read-playback-state` scope authorized in order to read information.

Value

Returns a data frame of results containing user device information. See the official Spotify Web API documentation for more information.

See Also

Other player functions: `get_my_current_playback()`, `get_my_currently_playing()`, `get_my_recently_played()`, `pause_my_playback()`, `seek_to_position()`, `set_my_repeat_mode()`, `skip_my_playback_previous()`, `skip_my_playback()`, `start_my_playback()`, `toggle_my_shuffle()`, `transfer_my_playback()`

get_my_followed_artists

Get My Followed Artists

Description

Get the current user’s followed artists.

Usage

get_my_followed_artists(
  limit = 20,
  after = NULL,
  authorization = get_spotify_authorization_code(),
  include_meta_info = FALSE
)

Get a list of the playlists owned or followed by the current Spotify user.

Usage

```r
get_my_playlists(
    limit = 20,
    offset = 0,
    authorization = get_spotify_authorization_code(),
    include_meta_info = FALSE
)
```

Arguments

- `limit` Optional. Maximum number of playlists to return.
  Default: 20
  Minimum: 1
  Maximum: 50

- `after` Optional. The last artist ID retrieved from the previous request.

- `authorization` Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user. Getting details of the artists or users the current user follows requires authorization of the user-follow-read scope. See Using Scopes.

- `include_meta_info` Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.
get_my_profile

Description
Get detailed profile information about the current user (including the current user’s username).

Usage
get_my_profile(authorization = get_spotify_authorization_code())

Arguments
authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to get_spotify_authorization_code(). The access token must have been issued on behalf of the current user.

Reading the user’s email address requires the user-read-email scope; reading country and product subscription level requires the user-read-private scope. See Using Scopes.
get_my_recently_played

Value


get_my_recently_played

Get Current User’s Recently Played Tracks

Description

Get Current User’s Recently Played Tracks

Usage

get_my_recently_played(
  limit = 20,
  after = NULL,
  before = NULL,
  authorization = get_spotify_authorization_code(),
  include_meta_info = FALSE
)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>after</td>
<td>Optional. A Unix timestamp in milliseconds. Returns all items after (but not including) this cursor position. If after is specified, before must not be specified.</td>
</tr>
<tr>
<td>before</td>
<td>Optional. A Unix timestamp in milliseconds. Returns all items before (but not including) this cursor position. If before is specified, after must not be specified.</td>
</tr>
<tr>
<td>authorization</td>
<td>Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to <code>spotifyr::get_spotify_access_token()</code>. The access token must have been issued on behalf of the current user.</td>
</tr>
<tr>
<td>include_meta_info</td>
<td>Optional. Boolean indicating whether to include full result, with meta information such as &quot;before&quot;, &quot;after&quot;, and &quot;limit&quot;. Defaults to FALSE. The access token must have the user-read-recently-played scope authorized in order to read the user’s recently played tracks.</td>
</tr>
</tbody>
</table>

Value

Returns a list or data frame of results containing the most recently played tracks for the current user.
get_my_saved_albums

See Also

Other player functions: get_my_current_playback(), get_my_currently_playing(), get_my_devices(), pause_my_playback(), seek_to_position(), set_my_repeat_mode(), skip_my_playback_previous(), skip_my_playback(), start_my_playback(), toggle_my_shuffle(), transfer_my_playback()

get_my_saved_albums  Get Current User's Saved Albums

Description

Get a list of the albums saved in the current Spotify user's 'Your Music' library.

Usage

get_my_saved_albums(
  limit = 20,
  offset = 0,
  market = NULL,
  authorization = get_spotify_authorization_code(),
  include_meta_info = FALSE
)

Arguments

limit  Optional.
Maximum number of albums to return.
Default: 20
Minimum: 1
Maximum: 50

offset  Optional.
The index of the first albums to return.
Default: 0 (the first object). Maximum offset: 100,000. Use with limit to get
the next set of albums.

market  Optional.
An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this
parameter if you want to apply Track Relinking

authorization  Required. A valid access token from the Spotify Accounts service. See the Web
API authorization Guide for more details. Defaults tospotifyr::get_spotify_authorization_code().
The access token must have been issued on behalf of the current user.

include_meta_info  Optional. Boolean indicating whether to include full result, with meta informa-
tion such as "total", and "limit". Defaults to FALSE.
**get_my_saved_tracks**

**Value**


---

**get_my_saved_tracks**

*Get User’s Saved Tracks*

**Description**

Get a list of the songs saved in the current Spotify user’s ‘Your Music’ library.

**Usage**

```r
get_my_saved_tracks(
  limit = 20,
  offset = 0,
  market = NULL,
  authorization = get_spotify_authorization_code(),
  include_meta_info = FALSE
)
```

**Arguments**

- **limit**
  - Optional.
  - Maximum number of tracks to return.
  - Default: 20
  - Minimum: 1
  - Maximum: 50

- **offset**
  - Optional.
  - The index of the first track to return.
  - Default: 0 (the first object). Maximum offset: 100,000. Use with limit to get the next set of tracks.

- **market**
  - Optional.
  - An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking

- **authorization**
  - Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`.
  - The access token must have been issued on behalf of the current user.

- **include_meta_info**
  - Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.
get_my_top_artists_or_tracks

Value


get_my_top_artists_or_tracks

Get User’s Top Artists or Tracks

Description

Get the current user’s top artists or tracks based on calculated affinity.

Usage

get_my_top_artists_or_tracks(
  type = "artists",
  limit = 20,
  offset = 0,
  time_range = "medium_term",
  authorization = get_spotify_authorization_code(),
  include_meta_info = FALSE
)

Arguments

type Required. The type of entity to return. Defaults to artists, the valid alternative is tracks.

limit Optional.
Maximum number of results to return.
Default: 20
Minimum: 1
Maximum: 50

offset Optional.
The index of the first entity to return.
Default: 0 (i.e., the first track).
Use with limit to get the next set of entities.

time_range Optional. Over what time frame the affinities are computed. Valid values:
long_term (calculated from several years of data and including all new data as it becomes available), medium_term (approximately last 6 months), short_term (approximately last 4 weeks). Default: medium_term.

authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults tospotifyr::get_spotify_access_token()

include_meta_info Optional. Boolean indicating whether to include full result, with meta information such as "total" and "limit". Defaults to FALSE.
get_new_releases

Value

Returns a data frame of results containing track or album data. See the official API documentation for more information.

See Also

Other personalization functions: get_recommendations_all(), get_recommendations()

---

get_new_releases   Get new releases

Description

Get a list of new album releases featured in Spotify (shown, for example, on a Spotify player’s “Browse” tab).

Usage

get_new_releases(
  country = NULL,
  limit = 20,
  offset = 0,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)

Arguments

country   Optional. A country: an ISO 3166-1 alpha-2 country code. Provide this parameter if you want the list of returned items to be relevant to a particular country. If omitted, the returned items will be relevant to all countries.


offset    Optional. The index of the first item to return. Default: 0 (the first object). Use with limit to get the next set of items.

authorization   Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()

include_meta_info    Optional. Boolean indicating whether to include full result, with meta information such as "country", "offset", and "limit". Defaults to FALSE.

Value

Examples

```r
## Get new Swedish music
get_new_releases(country = 'SE', limit = 5)
```

Description

Get a playlist owned by a Spotify user.

Usage

```r
default
get_playlist(
  playlist_id,
  fields = NULL,
  market = NULL,
  authorization = get_spotify_access_token()
)
```

Arguments

- **playlist_id** Required. The Spotify ID for the playlist.
- **fields** Optional. Filters for the query: a comma-separated list of the fields to return. If omitted, all fields are returned. For example, to get just the playlist’s description and URI:
  ```r
  fields = c("description", "uri")
  ```
  A dot separator can be used to specify non-reoccurring fields, while parentheses can be used to specify reoccurring fields within objects. For example, to get just the added date and user ID of the adder:
  ```r
  fields = "tracks.items(added_at,added_by.id)"
  ```
  Use multiple parentheses to drill down into nested objects, for example:
  ```r
  fields = "tracks.items(track(name,href,album(name,href)))"
  ```
  Fields can be excluded by prefixing them with an exclamation mark, for example:
  ```r
  fields = "tracks.items(track(name,href,album(!name,href)))"
  ```
- **market** Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking
- **authorization** Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Both Public and Private playlists belonging to any user are retrievable on provision of a valid access token. Defaults to `spotifyr::get_spotify_access_token()`
get_playlist_audio_features

Get Features and Popularity of Playlists on Spotify

Description

This function returns the popularity and audio features for every song for a given set of playlists on Spotify

Usage

get_playlist_audio_features(
  username,
  playlist_uris,
  authorization = get_spotify_access_token()
)

Arguments

username String of Spotify username. Can be found on the Spotify app.
playlist_uris Character vector of Spotify playlist uris. Can be found within the Spotify App
authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to spotifyr::get_spotify_access_token()

Value

A data frame with the audio featurees and popularity variables of playlists.

See Also

Other musicology functions: get_artist_audio_features(), get_genre_artists(), get_track_audio_analysis(), get_track_audio_features(), get_user_audio_features()
get_playlist_cover_image

Examples

```r
playlist_username <- 'spotify'
playlist_uris <- c('37i9dQZF1E9T1oFoFsQFg98K', '37i9dQZF1CyQNOI21QVf3p')
playlist_audio_features <- get_playlist_audio_features(playlist_username, playlist_uris)
```

get_playlist_cover_image

*Get Image Associated with Playlist*

Description

Get the current image associated with a specific playlist.

Usage

```r
get_playlist_cover_image(
  playlist_id,
  authorization = get_spotify_authorization_code()
)
```

Arguments

- **playlist_id**: Required. The Spotify ID for the playlist.
- **authorization**: Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user. Current playlist image for both Public and Private playlists of any user are retrievable on provision of a valid access token.

Value

Returns a data frame of results containing playlist cover image information. See the official Spotify Web API Documentation for more information.

get_playlist_tracks

*Get Details of User Playlist Tracks.*

Description

Get full details of the tracks of a playlist owned by a Spotify user.
Usage

```r
get_playlist_tracks(
  playlist_id,
  fields = NULL,
  limit = 100,
  offset = 0,
  market = NULL,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)
```

Arguments

- `playlist_id` Required. The Spotify ID for the playlist.
- `fields` Optional. Filters for the query: a comma-separated list of the fields to return. If omitted, all fields are returned. For example, to get just the playlist's creation date and album information: `fields = c("added_at", "track.album")`. A dot separator can be used to specify non-reoccurring fields, while parentheses can be used to specify reoccurring fields within objects. For example, to get just the added date and user ID of the adder: `fields = "tracks.items(added_at,added_by.id)"`. Use multiple parentheses to drill down into nested objects, for example: `fields = "tracks.items(track(name,href,album(name,href)))"`. Fields can be excluded by prefixing them with an exclamation mark, for example: `fields = "tracks.items(track(name,href,album(!name,href)))"`.
- `limit` Optional. Maximum number of tracks to return. Default: 100
  Minimum: 1
  Maximum: 100
- `offset` Optional. The index of the first track to return. Default: 0 (the first object).
- `market` Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking
- `authorization` Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Both Public and Private playlists belonging to any user are retrievable on provision of a valid access token. Defaults to `spotifyr::get_spotify_access_token()`.
- `include_meta_info` Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.
Value


See Also

Other track functions: get_album_tracks(), get_tracks(), get_track()

---

get_recommendations

Create a playlist-style listening experience based on seed artists, tracks and genres.

Description

All parameters are optional, but at least one of seed_artists, seed_tracks and seed_genres must be given.

Usage

get_recommendations(
  limit = 20,
  market = NULL,
  seed_artists = NULL,
  seed_genres = NULL,
  seed_tracks = NULL,
  max_acousticness = NULL,
  max_danceability = NULL,
  max_duration_ms = NULL,
  max_energy = NULL,
  max_instrumentalness = NULL,
  max_key = NULL,
  max_liveness = NULL,
  max_loudness = NULL,
  max_mode = NULL,
  max_popularity = NULL,
  max_speechiness = NULL,
  max_tempo = NULL,
  max_time_signature = NULL,
  max_valence = NULL,
  min_acousticness = NULL,
  min_danceability = NULL,
  min_duration_ms = NULL,
  min_energy = NULL,
  min_instrumentalness = NULL,
  min_key = NULL,
  min_liveness = NULL,
min_loudness = NULL,
min_mode = NULL,
min_popularity = NULL,
min_speechiness = NULL,
min_tempo = NULL,
min_time_signature = NULL,
min_valence = NULL,
target_acousticness = NULL,
target_danceability = NULL,
target_duration_ms = NULL,
target_energy = NULL,
target_instrumentalness = NULL,
target_key = NULL,
target_liveness = NULL,
target_loudness = NULL,
target_mode = NULL,
target_popularity = NULL,
target_speechiness = NULL,
target_tempo = NULL,
target_time_signature = NULL,
target_valence = NULL,
authorization = get_spotify_access_token(),
include_seeds_in_response = FALSE
)

Arguments

limit Optional. The target size of the list of recommended tracks. For seeds with unusually small pools or when highly restrictive filtering is applied, it may be impossible to generate the requested number of recommended tracks. Debugging information for such cases is available in the response. Default: 20. Minimum: 1. Maximum: 100.

market Optional. An ISO 3166-1 alpha-2 country code or the string from_token. Provide this parameter if you want to apply Track Relinking. Because min_* and target_* are applied to pools before relinking, the generated results may not precisely match the filters applied. Original, non-relinked tracks are available via the linked_from attribute of the relinked track response.

seed_artists A character vector of Spotify IDs for seed artists. Up to 5 seed values may be provided in any combination of seed_artists, seed_tracks and seed_genres.

seed_genres A character vector of any genres in the set of available genre seeds. Up to 5 seed values may be provided in any combination of seed_artists, seed_tracks and seed_genres.

seed_tracks A character vector of Spotify IDs for a seed track. Up to 5 seed values may be provided in any combination of seed_artists, seed_tracks and seed_genres.

max_acousticness Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ acousticness.
max_danceability
Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ danceability.

max_duration_ms
Optional. Integer indicating a hard ceiling on recommended tracks’ duration in milliseconds.

max_energy
Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ energy.

max_instrumentalness
Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ instrumentalness.

max_key
Optional. Integer ranging from 1 to 12 indicating a hard ceiling on recommended tracks’ key.

max_liveness
Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ liveness.

max_loudness
Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ loudness.

max_mode
Optional. Integer ranging from 0 to 1 indicating a hard ceiling on recommended tracks’ mode.

max_popularity
Optional. Integer ranging between 0 and 100 indicating a hard ceiling on recommended tracks’ popularity.

max_speechiness
Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ speechiness.

max_tempo
Optional. Numeric value indicating a hard ceiling on recommended tracks’ tempo.

max_time_signature
Optional. Integer indicating a hard ceiling on recommended tracks’ time signature.

max_valence
Optional. Numeric value between 0 and 1 indicating a hard ceiling on recommended tracks’ valence.

min_acousticness
Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ acousticness.

min_danceability
Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ danceability.

min_duration_ms
Optional. Integer indicating a hard floor on recommended tracks’ duration in milliseconds.

min_energy
Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ energy.

min_instrumentalness
Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ instrumentalness.
get_recommendations

min_key
- Optional. Integer ranging from 1 to 12 indicating a hard floor on recommended tracks’ key.

min_liveness
- Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ liveness.

min_loudness
- Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ loudness.

min_mode
- Optional. Integer ranging from 0 to 1 indicating a hard floor on recommended tracks’ mode.

min_popularity
- Optional. Integer ranging between 0 and 100 indicating a hard floor on recommended tracks’ popularity.

min_speechiness
- Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ speechiness.

min_tempo
- Optional. Numeric value indicating a hard floor on recommended tracks’ tempo.

min_time_signature
- Optional. Integer indicating a hard floor on recommended tracks’ time signature.

min_valence
- Optional. Numeric value between 0 and 1 indicating a hard floor on recommended tracks’ valence.

target_acousticness
- Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ acousticness. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request target_energy = 0.6 and target_danceability = 0.8. All target values will be weighed equally in ranking results.

target_danceability
- Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ danceability. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request target_energy = 0.6 and target_danceability = 0.8. All target values will be weighed equally in ranking results.

target_duration_ms
- Optional. Integer indicating a target value for recommended tracks’ duration in milliseconds. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request target_energy = 0.6 and target_danceability = 0.8. All target values will be weighed equally in ranking results.

target_energy
- Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ energy. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request target_energy = 0.6 and target_danceability = 0.8. All target values will be weighed equally in ranking results.

target_instrumentalness
- Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ instrumentalness. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request target_energy = 0.6 and target_danceability = 0.8. All target values will be weighed equally in ranking results.
get_recommendations

**target_key**  
Optional. Integer ranging from 1 to 12 indicating a target value for recommended tracks’ key. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_liveness**  
Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ liveness. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_loudness**  
Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ loudness. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_mode**  
Optional. Integer ranging from 0 to 1 indicating a target value for recommended tracks’ mode. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_popularity**  
Optional. Integer ranging between 0 and 100 indicating a target value for recommended tracks’ popularity. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_speechiness**  
Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ speechiness. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_tempo**  
Optional. Numeric value indicating a target value for recommended tracks’ tempo. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_time_signature**  
Optional. Integer indicating a target value for recommended tracks’ time signature. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**target_valence**  
Optional. Numeric value between 0 and 1 indicating a target value for recommended tracks’ valence. Tracks with the attribute values nearest to the target values will be preferred. For example, you might request `target_energy = 0.6` and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.
and `target_danceability = 0.8`. All target values will be weighed equally in ranking results.

**authorization**
Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotifyr::get_spotify_access_token()`.

**include_seeds_in_response**
Optional. Boolean for whether to include seed object in response. Defaults to `FALSE`.

**Value**
Returns a data frame of results recommendations. See the official Spotify Web API documentation for more information.

**See Also**
Other personalization functions: `get_my_top_artists_or_tracks()`, `get_recommendations_all()`.

**Examples**

```r
get_recommendations(market = 'SE', seed_genres = 'rock')
```

---

**get_recommendations_all**

*Get recommendations for unlimited vector of track IDs*

**Description**
Get recommendations for a submitted vector of track IDs, with no limit on the number of seed tracks.

**Usage**

```r
get_recommendations_all(track_ids, valence = NULL)
```

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>track_ids</td>
<td>A vector containing the IDs of the tracks you’d like recommendations for</td>
</tr>
<tr>
<td>valence</td>
<td>The target valence for the recommendations</td>
</tr>
</tbody>
</table>

**Details**
This is a wrapper for the `get_recommendations` function, which provides a workaround for the limit of 5 seed tracks per recommendation call. The function splits a supplied vector of track IDs into subsets of length 5, then applies a `get_recommendations` call, 5 tracks at a time. This should generate a data frame of recommended tracks, with length equal to the supplied vector of track ids.
**get_related_artists**

Returns a data frame containing binded recommendations from the Spotify API in a single data frame.

**See Also**

Other personalization functions: `get_my_top_artists_or_tracks()`, `get_recommendations()`

**Examples**

```r
get_recommendations_all(
  track_ids = c("5VIpLopHgoIKcSSj7PCMA", "3QRGYDFVbqneE4DX1gR")
)
```

---

**get_related_artists**

*Get Spotify catalog information about artists similar to a given artist. Similarity is based on analysis of the Spotify community’s listening history.*

**Description**

Get Spotify catalog information about artists similar to a given artist. Similarity is based on analysis of the Spotify community’s listening history.

**Usage**

```r
get_related_artists(
  id,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)
```

**Arguments**

- **id**
  - The Spotify ID for the artist.
- **authorization**
- **include_meta_info**
  - Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to `FALSE`.

**Value**

See Also

Other artist functions: `get_artist_albums()`, `get_artist_top_tracks()`, `get_artists()`, `get_artist()`, `get_my_followed_artists()`

---

**get_show**

Get Spotify catalog information for a single show.

**Description**

Get Spotify catalog information for a single show.

**Usage**

```r
get_show(id, market = NULL, authorization = get_spotify_authorization_code())
```

**Arguments**

- `id` - The Spotify ID for the show.
- `market` - Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". If a country code is specified, only shows and episodes that are available in that market will be returned. If a valid user access token is specified in the request header, the country associated with the user account will take priority over this parameter.
- `authorization` - Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user. Reading the user’s resume points on episode objects requires the user-read-playback-position scope. See Using Scopes.

**Value**

Returns a data frame of results containing show data. See the official documentation for more information.

---

**get_shows**

Get Spotify catalog information for multiple shows identified by their Spotify IDs.

**Description**

Get Spotify catalog information for multiple shows identified by their Spotify IDs.
get_show_episodes

Usage

get_show_episodes(
  id,
  limit = 20,
  offset = 0,
)

Arguments

id

Required. A character vector of the Spotify IDs for the shows. Maximum: 20 IDs.

market

Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". If a country code is specified, only shows and episodes that are available in that market will be returned. If a valid user access token is specified in the request header, the country associated with the user account will take priority over this parameter.

authorization

Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to 

include_meta_info

Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

Value

Returns a data frame of results containing show data. See https://developer.spotify.com/documentation/web-api/reference/shows/get-several-shows/ for more information.
market = NULL,
authorization = get_spotify_authorization_code(),
include_meta_info = FALSE)

Arguments

id Required. The Spotify ID for the show.

limit Optional. Maximum number of results to return.
Default: 20
Minimum: 1
Maximum: 50

offset Optional. The index of the first album to return.
Default: 0 (the first album).
Maximum offset (including limit): 10,000.
Use with limit to get the next set of episodes.

market Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". If a country code is specified, only shows and episodes that are available in that market will be returned. If a valid user access token is specified in the request header, the country associated with the user account will take priority over this parameter.

authorization Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to 

get_spotify_authorization_code(). The access token must have been issued on behalf of the current user.

Reading the user’s resume points on episode objects requires the user-read-playback-position scope. See Using Scopes.

include_meta_info Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

Value

Returns a data frame of results containing show data. See the official API documentation for more information.

get_spotify_access_token

Get Spotify Access Token

Description

This function creates a Spotify access token.
get_spotify_authorization_code

Usage

get_spotify_access_token(
    client_id = Sys.getenv("SPOTIFY_CLIENT_ID"),
    client_secret = Sys.getenv("SPOTIFY_CLIENT_SECRET")
)

Arguments

client_id Defaults to System Environment variable "SPOTIFY_CLIENT_ID"
client_secret Defaults to System Environment variable "SPOTIFY_CLIENT_SECRET"

Value

The Spotify Access Token of the current user or a meaningful error message.

See Also

Other authentication functions: get_spotify_authorization_code()

Examples

token <- get_spotify_access_token(

---------------------------------------------------------------------

get_spotify_authorization_code

Get Spotify Authorization Code

---------------------------------------------------------------------

Description

This function creates a Spotify authorization code. See http2::oauth2.0_token.

Usage

get_spotify_authorization_code(
    client_id = Sys.getenv("SPOTIFY_CLIENT_ID"),
    client_secret = Sys.getenv("SPOTIFY_CLIENT_SECRET"),
    scope = scopes()
)

Arguments

client_id Defaults to System Environment variable "SPOTIFY_CLIENT_ID"
client_secret Defaults to System Environment variable "SPOTIFY_CLIENT_SECRET"
scope Space delimited string of spotify scopes, found here: https://developer.spotify.com/documentation/general/guides/scopes/. All scopes are selected by default
get_track

Value

The Spotify Web API Token2.0 reference class object (see http://oauth2.0_token), or an error message.

See Also

Other authentication functions: get_spotify_access_token()

Examples

authorization <- get_spotify_authorization_code()

get_track(id, market = NULL, authorization = get_spotify_access_token())

Arguments

id
  The Spotify ID for the track.
market
  Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking
authorization
  Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()

Value

Returns a data frame of results containing track data. See https://developer.spotify.com/documentation/web-api/reference/tracks/get-several-tracks/ for more information.

See Also

Other track functions: get_album_tracks(), get_playlist_tracks(), get_tracks()
get_tracks

Get Spotify catalog information for a single track identified by its unique Spotify ID.

Description

Get Spotify catalog information for a single track identified by its unique Spotify ID.

Usage

get_tracks(
  ids,
  market = NULL,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)

Arguments

ids                The Spotify ID for the track.
market             Optional. An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this parameter if you want to apply Track Relinking
authorization      Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()
include_meta_info Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

Value

Returns a data frame of results containing track data. See https://developer.spotify.com/documentation/web-api/reference/tracks/get-several-tracks/ for more information.

See Also

Other track functions: get_album_tracks(), get_playlist_tracks(), get_track()
get_track_audio_analysis

Get a detailed audio analysis for a single track identified by its unique Spotify ID.

Description

Get a detailed audio analysis for a single track identified by its unique Spotify ID.

Usage

get_track_audio_analysis(id, authorization = get_spotify_access_token())

Arguments

id

The Spotify ID for the track.

authorization

Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()

Value

Returns a data frame of results containing track audio analysis data. See https://developer.spotify.com/documentation/web-api/reference/tracks/get-audio-analysis/ for more information.

See Also

Other musicology functions: get_artist_audio_features(), get_genre_artists(), get_playlist_audio_features(), get_track_audio_features(), get_user_audio_features()

get_track_audio_features

Get audio features of tracks

Description

Get audio feature information for up to 100 tracks identified by their unique Spotify IDs.

Usage

get_track_audio_features(ids, authorization = get_spotify_access_token())
get_user_audio_features

Arguments

ids
  Required. A comma-separated list of the Spotify IDs of the tracks. Maximum: 100 IDs.

authorization
  Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotifyr::get_spotify_access_token()`

Value

Returns a data frame of results containing track audio features data. See `https://developer.spotify.com/documentation/web-api/reference/tracks/get-several-audio-features/` for more information.

See Also

Other musicology functions: `get_artist_audio_features()`, `get_genre_artists()`, `get_playlist_audio_features()`, `get_track_audio_analysis()`, `get_user_audio_features()`

get_user_audio_features

Get User Playlist Audio Features

Description

Get audio feature information for a users' playlists.

Usage

```r
get_user_audio_features(
  username = NULL,
  authorization = get_spotify_access_token()
)
```

Arguments

username
  Required. String of Spotify username.

authorization
  Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to `spotifyr::get_spotify_access_token()`

Value

Returns a data frame of results containing track audio features data. See the Spotify Web API documentation for more information.

See Also

Other musicology functions: `get_artist_audio_features()`, `get_genre_artists()`, `get_playlist_audio_features()`, `get_track_audio_analysis()`, `get_track_audio_features()`
get_user_playlists  Get List of User Playlists

Description

Get a list of the playlists owned or followed by a Spotify user.

Usage

```r
get_user_playlists(
  user_id,
  limit = 20,
  offset = 0,
  authorization = get_spotify_authorization_code(),
  include_meta_info = FALSE
)
```

Arguments

- **user_id**: Required. The user's Spotify user ID.
- **limit**: Optional. Maximum number of playlists to return. Default: 20
  Minimum: 1
  Maximum: 50
- **offset**: Optional. The index of the first playlist to return. Default: 0 (the first object). Maximum offset: 100,000. Use with limit to get the next set of playlists.
- **authorization**: Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Default to `spotifyr::get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user. Private playlists are only retrievable for the current user and requires the playlist-read-private scope to have been authorized by the user. Note that this scope alone will not return collaborative playlists, even though they are always private. Collaborative playlists are only retrievable for the current user and requires the playlist-read-collaborative scope to have been authorized by the user.
- **include_meta_info**: Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

Value

Returns a data frame of results containing user playlist information. See the official Spotify Web API documentation for more information.
get_user_profile

Get User Public Profile Information

Description

Get public profile information about a Spotify user.

Usage

get_user_profile(user_id, authorization = get_spotify_access_token())

Arguments

user_id  Required. The user’s Spotify user ID.

authorization  Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()

Value


pause_my_playback

Pause Playback

Description

Pause playback on the user’s device.

Usage

pause_my_playback(
    device_id = NULL,
    authorization = get_spotify_authorization_code()
)
**remove_tracks_from_playlist**

**Remove Tracks from User's Playlist**

**Description**

Remove one or more tracks from a user’s playlist.

**Usage**

```r
remove_tracks_from_playlist(
    playlist_id, 
    uris, 
    authorization = get_spotify_authorization_code()
)
```

**Arguments**

- **playlist_id**: Required. The Spotify ID for the playlist.
- **uris**: Optional. A character vector of Spotify track URIs to add. For example uris = "spotify:track:4iV5W9uYEdYUVa79Axb7Rh", "spotify:track:1301WleyT98MSxVHPZCA6M" A maximum of 100 tracks can be removed in one request.
- **authorization**: Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_authorization_code()`. The access token must have been issued on behalf of the current user.

**Value**

The response from the Spotify Web API on the PUT request, with a meaningful error message if the operation was not successful.

**See Also**

Other player functions: `get_my_current_playback()`, `get_my_currently_playing()`, `get_my_devices()`, `get_my_recently_played()`, `seek_to_position()`, `set_my_repeat_mode()`, `skip_my_playback_previous()`, `skip_my_playback()`, `start_my_playback()`, `toggle_my_shuffle()`, `transfer_my_playback()`
the playlist-modify-public scope; removing tracks from the current user's private playlist (including collaborative playlists) requires the playlist-modify-private scope. See Using Scopes.

Value

The response from the Spotify Web API on the DELETE request, with a meaningful error message if the operation was not successful.

See Also

Other playlist functions: add_tracks_to_playlist(), change_playlist_details(), check_users_following(), create_playlist(), get_my_playlists(), get_playlist(), get_user_playlists(), tidy()

---

**scopes**

### Valid Authorization Scopes

<table>
<thead>
<tr>
<th>Scopes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Value</strong></td>
</tr>
<tr>
<td>A character vector of valid authorization scopes for the Spotify Web API. See Spotify Web API Authorization Scopes</td>
</tr>
</tbody>
</table>

### Examples

scopes()
Usage

```
search_spotify(
  q,
  type = c("album", "artist", "playlist", "track"),
  market = NULL,
  limit = 20,
  offset = 0,
  include_external = NULL,
  authorization = get_spotify_access_token(),
  include_meta_info = FALSE
)
```

Arguments

- **q**: Required.
  Search query keywords and optional field filters and operators.

- **type**: A character vector of item types to search across.
  Valid types are album, artist, playlist, and track.
  Search results include hits from all the specified item types.
  For example: `q = "name:abacab"` and `type = c("album", "track")` returns both albums and tracks with "abacab" included in their name.

- **market**: Optional.
  An ISO 3166-1 alpha-2 country code or the string "from_token".
  If a country code is specified, only artists, albums, and tracks with content that is playable in that market is returned.
  Note:
  - Playlist results are not affected by the market parameter.
  - If market is set to "from_token", and a valid access token is specified in the request header, only content playable in the country associated with the user account, is returned.
  - Users can view the country that is associated with their account in the account settings. A user must grant access to the user-read-private scope prior to when the access token is issued.

- **limit**: Optional.
  Maximum number of results to return.
  Default: 20
  Minimum: 1
  Maximum: 50
  Note: The limit is applied within each type, not on the total response.
  For example, if the limit value is 3 and the type is c("artist", "album"), the response contains 3 artists and 3 albums.

- **offset**: Optional.
  The index of the first result to return.
  Default: 0 (the first result).
  Maximum offset (including limit): 10,000.
  Use with limit to get the next page of search results.
seek_to_position

include_external
Optional.
Possible values: audio
If include_external = "audio" is specified the response will include any relevant audio content that is hosted externally.
By default external content is filtered out from responses.

authorization
Required. A valid access token from the Spotify Accounts service. See the Web API authorization guide for more details. Defaults to spotifyr::get_spotify_access_token()

include_meta_info
Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

Value
A tibble with detailed information about the searched album, artist, playlist, track or their combination.

Examples

search_spotify('radiohead', 'artist')

seek_to_position
Seeks to the given position in the user’s currently playing track.

Description
Seeks to the given position in the user’s currently playing track.

Usage

seek_to_position(
  position_ms,
  device_id = NULL,
  authorization = get_spotify_authorization_code()
)

Arguments

position_ms
Required. Integer indicating the position in milliseconds to seek to. Must be a positive number. Passing in a position that is greater than the length of the track will cause the player to start playing the next song.

device_id
Optional. The id of the device this command is targeting. If not supplied, the user’s currently active device is the target.
set_my_repeat_mode

**authorization**  Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`. The access token must have been issued on behalf of the current user. The access token must have the `user-modify-playback-state` scope authorized in order to control playback.

**Value**

The response from the Spotify Web API on the POST request, with a meaningful error message if the operation was not successful.

**See Also**

Other player functions: `get_my_current_playback()`, `get_my_currently_playing()`, `get_my_devices()`, `get_my_recently_played()`, `pause_my_playback()`, `set_my_repeat_mode()`, `skip_my_playback_previous()`, `skip_my_playback()`, `start_my_playback()`, `toggle_my_shuffle()`, `transfer_my_playback()`

---

**set_my_repeat_mode**  Set User Playback Mode

**Description**

Set the repeat mode for the user’s playback. Options are repeat-track, repeat-context, and off.

**Usage**

```r
set_my_repeat_mode(
  state,
  device_id = NULL,
  authorization = get_spotify_authorization_code()
)
```

**Arguments**

- **state**  Required.
  "track", "context", or "off" "track" will repeat the current track.
  "context" will repeat the current context.
  "off" will turn repeat off

- **device_id**  Optional. The id of the device this command is targeting. If not supplied, the user’s currently active device is the target.

- **authorization**  Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`. The access token must have been issued on behalf of the current user. The access token must have the `user-modify-playback-state` scope authorized in order to control playback.
set_my_volume

**Value**

The response from the Spotify Web API on the PUT request, with a meaningful error message if the operation was not successful.

**See Also**

Other player functions: get_my_current_playback(), get_my_currently_playing(), get_my_devices(), get_my_recently_played(), pause_my_playback(), seek_to_position(), skip_my_playback_previous(), skip_my_playback(), start_my_playback(), toggle_my_shuffle(), transfer_my_playback()

---

**set_my_volume**

**Set User Device Volume**

**Description**

Set the volume for the user's current playback device.

**Usage**

```r
set_my_volume(
  volume_percent = 50,
  device_id = NULL,
  authorization = get_spotify_authorization_code()
)
```

**Arguments**

- **volume_percent**: Required integer value. The volume to set. Must be a value from 0 to 100 inclusive. Defaults to 50.
- **device_id**: Optional. The id of the device this command is targeting. If not supplied, the user's currently active device is the target.
- **authorization**: Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`. The access token must have been issued on behalf of the current user. The access token must have the `user-modify-playback-state` scope authorized in order to control playback.

**Value**

The response from the Spotify Web API on the PUT request, with a meaningful error message if the operation was not successful.
skip_my_playback

Description

Skips to next track in the user’s queue.

Usage

skip_my_playback(
    device_id = NULL,
    authorization = get_spotify_authorization_code()
)

Arguments

device_id  Optional. The id of the device this command is targeting. If not supplied, the
            user’s currently active device is the target.

authorization  Required. A valid access token from the Spotify Accounts service. See the Web
                API authorization Guide for more details. Defaults to spotifyr::get_spotify_access_token().
                The access token must have been issued on behalf of the current user.
                The access token must have the user-modify-playback-state scope authorized in order to control playback.

Value

The response from the Spotify Web API on the POST request, with a meaningful error message if
the operation was not successful.

See Also

Other player functions: get_my_current_playback(), get_my_currently_playing(), get_my_devices(),
get_my_recently_played(), pause_my_playback(), seek_to_position(), set_my_repeat_mode(),
skip_my_playback_previous(), start_my_playback(), toggle_my_shuffle(), transfer_my_playback()

skip_my_playback_previous

Description

Skips to previous track in the user’s queue.
Usage

```
skip_my_playback_previous(
    device_id = NULL,
    authorization = get_spotify_authorization_code()
)
```

Arguments

- **device_id** (Optional): The id of the device this command is targeting. If not supplied, the user’s currently active device is the target.
- **authorization** (Required): A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`. The access token must have been issued on behalf of the current user. The access token must have the `user-modify-playback-state` scope authorized in order to control playback.

Value

The response from the Spotify Web API on the POST request, with a meaningful error message if the operation was not successful.

See Also

Other player functions: `get_my_current_playback()`, `get_my_currently_playing()`, `get_my_devices()`, `get_my_recently_played()`, `pause_my_playback()`, `seek_to_position()`, `set_my_repeat_mode()`, `skip_my_playback()`, `start_my_playback()`, `toggle_my_shuffle()`, `transfer_my_playback()`

---

**Description**

A Quick and Easy Wrapper for Pulling Track Audio Features from Spotify’s Web API in Bulk

**Details**

See the README on [GitHub](https://github.com)

**artist functions**

Retrieve information related to artists. `get_artist`: Get the data of a single artist. `get_artists`: Get the data of multiple artist. `get_related_artists`: Get that of related artist to an original artist. `get_artist_albums`: Get artists who appear on an album.
track functions

Retrieve information related to individual song recordings (songs, concerts).
- get_track
- get_tracks
- get_playlist_tracks

album functions

Retrieve information about albums. See also get_album_tracks.

playlist functions

Work with playlists.
- add_tracks_to_playlist
- change_playlist_details
- get_user_playlists

player functions

Interact with the user’s devices and players.

personalization functions

- get_my_top_artists_or_tracks

musicology functions

Functions related to the contents of the music.
- get_track_audio_analysis
- get_artist_audio_features
- get_playlist_audio_features
- get_user_audio_features
- get_genre_artists

lyrics functions

Functions related to the lyrics of the music, such as
- get_discography

search functions

Search for an artist, song or other keyword.
The main function is search_spotify.
authentication functions

Helper functions to provide authentication function for requests. Never reveal in public documents, markdown files the returned values of these functions:

- `get_spotify_authorization_code`
- `get_spotify_access_token`.

---

start_my_playback  
**Starts playback**

Skips to previous track in the user’s queue.

Description

Skips to previous track in the user’s queue.

Usage

```r
start_my_playback(
  device_id = NULL,
  context_uri = NULL,
  uris = NULL,
  offset = NULL,
  position_ms = NULL,
  authorization = get_spotify_authorization_code()
)
```

Arguments

- **device_id**: Optional. The id of the device this command is targeting. If not supplied, the user’s currently active device is the target.
- **context_uri**: Optional. String of the Spotify URI of the context to play. Valid contexts are albums, artists, playlists. Example `context_uri = "spotify:album:1Je1IMjBxclFz0WE7oP7"`.
- **uris**: Optional. A character vector of the Spotify track URIs to play. For example: `"uris": c("spotify:track:4iV5W9uYEdYV79AXb7Rh", "spotify:track:1301WleyT98MSxvHPZC6M")`.
- **offset**: Optional. A named list indicating from where the context playback should start. Only available when `context_uri` corresponds to an album or playlist object, or when the `uris` parameter is used. "position" is zero based and can’t be negative. Example: "offset" = list("position" = 5).
- **position_ms**: Optional. Integer indicating from what position to start playback. Must be a positive number. Passing in a position that is greater than the length of the track will cause the player to start playing the next song.
- **authorization**: Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details. Defaults to `spotifyr::get_spotify_access_token()`. The access token must have been issued on behalf of the current user. The access token must have the `user-modify-playback-state` scope authorized in order to control playback.
tidy

Value

The response from the Spotify Web API on the POST request, with a meaningful error message if the operation was not successful.

See Also

Other player functions: `get_my_current_playback()`, `get_my_currently_playing()`, `get_my_devices()`, `get_my_recently_played()`, `pause_my_playback()`, `seek_to_position()`, `set_my_repeat_mode()`, `skip_my_playback_previous()`, `skip_my_playback()`, `toggle_my_shuffle()`, `transfer_my_playback()`

---

tidy          Tidy a Playlist

Description

tidy extracts and tidies the data frame containing track level information that is returned from get_playlist as a tibble.

Usage

tidy(x, ...)

## S3 method for class 'playlist'
tidy(x, ...)

## S3 method for class 'playlist'
print(x, ...)

Arguments

x          A playlist object generated from get_playlist().

...        Unused.

Value

Return or print a tidy version a tibble containing the track level information that is returned from get_playlist.

See Also

Other playlist functions: `add_tracks_to_playlist()`, `change_playlist_details()`, `check_users_following()`, `create_playlist()`, `get_my_playlists()`, `get_playlist()`, `get_user_playlists()`, `remove_tracks_from_playlist()`
Examples

```r
toggle_my_shuffle

```
transfer_my_playback

Transfer playback to a new device and determine if it should start playing.

Description

Transfer playback to a new device and determine if it should start playing.

Usage

```r
transfer_my_playback(
  device_ids,
  play = FALSE,
  authorization = get_spotify_authorization_code()
)
```

Arguments

- `device_ids` Required. A character vector containing the ID of the device this on which playback should be started/transferred. Note: only a single device_id is currently supported.

- `play` Optional. TRUE: Ensure playback happens on new device FALSE (default): keep the current playback state

  Note that a value of FALSE for the play parameter when also transferring to another device_id will not pause playback. To ensure that playback is paused on the new device you should send a pause command to the currently active device before transferring to the new device_id.

- `authorization` Required. A valid access token from the Spotify Accounts service. See the Web API authorization Guide for more details.Defaults to `spotifyr::get_spotify_access_token()`. The access token must have been issued on behalf of the current user. The access token must have the user-modify-playback-state scope authorized in order to control playback.

Value

The response from the Spotify Web API on the PUT request, with a meaningful error message if the operation was not successful.

See Also

Other player functions: `get_my_current_playback()`, `get_my_currently_playing()`, `get_my_devices()`, `get_my_recently_played()`, `pause_my_playback()`, `seek_to_position()`, `set_my_repeat_mode()`, `skip_my_playback_previous()`, `skip_my_playback()`, `start_my_playback()`, `toggle_my_shuffle()`
unfollow_playlist

Remove Current User from Followers of Playlist.

Description

Remove Current User from Followers of Playlist.

Usage

unfollow_playlist(
    playlist_id,
    authorization = get_spotify_authorization_code()
)

Arguments

playlist_id
Required. The Spotify ID of the playlist that is to be no longer followed.

authorization
Required. A valid access token from the Spotify Accounts service. See the Web
API authorization Guide for more details. Defaults to get_spotify_authorization_code().

The access token must have been issued on behalf of the current user.

Unfollowing a publicly followed playlist for a user requires authorization of the
playlist-modify-public scope; unfollowing a privately followed playlist re-
quires the playlist-modify-private scope. See Using Scopes.

Note that the scopes you provide relate only to whether the current user is fol-
lowing the playlist publicly or privately (i.e. showing others what they are fol-
lowing), not whether the playlist itself is public or private.

Value

The response from the Spotify Web API on the DELETE request, with a meaningful error message if
the operation was not successful.

validate_parameters

Assertion for Correct API Requests.

Description

Assertions are made to give early and precise error messages for wrong API call parameters.
validate_parameters(
    artists_or_tracks = NULL,
    artist_or_user = NULL,
    market = NULL,
    country = NULL,
    limit = NULL,
    offset = NULL,
    locale = NULL,
    volume_percent = NULL,
    time_range = NULL,
    position_ms = NULL,
    state = NULL,
    include_meta_info = NULL
)

Arguments

artists_or_tracks
    The type parameter must be either 'artists' or 'tracks'.

artist_or_user
    "The type parameter must be either 'artist' or 'user'."

market
    Optional.
    An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this
    parameter if you want to apply Track Relinking

country
    Optional.
    An ISO 3166-1 alpha-2 country code or the string "from_token". Provide this
    parameter if you want to apply Track Relinking

limit
    Optional. The maximum number of items to return. Default to 20. Minimum:
    1. Maximum: 50.

offset
    Optional. The index of the first item to return. Defaults to 0, i.e., the first object. Use
    with limit to get the next set of items.

locale
    Optional. The desired language, consisting of an ISO 639-1 language code and an
    ISO 3166-1 alpha-2 country code, joined by an underscore. For example: es_MX, meaning "Spanish (Mexico)". Provide this parameter if you want the
    category strings returned in a particular language. Note that, if locale is not
    supplied, or if the specified language is not available, the category strings re-
    turned will be in the Spotify default language (American English). The locale
    parameter, combined with the country parameter, may give odd results if not
    carefully matched. For example country=SE&locale=de_DE will return a list
    of categories relevant to Sweden but as German language strings.

volume_percent
    Required integer value. The volume to set. Must be a value from 0 to 100
    inclusive. Defaults to 50.

time_range
    Optional. Over what time frame the affinities are computed. Valid values:
    long_term (calculated from several years of data and including all new data as it
    becomes available), medium_term (approximately last 6 months), short_term
    (approximately last 4 weeks). Default: medium_term.
validate_parameters

position_ms  Optional. Integer indicating from what position to start playback. Must be a positive number. Passing in a position that is greater than the length of the track will cause the player to start playing the next song.

state  The state parameter must be exactly one of 'track', 'context' or 'off'.

include_meta_info  Optional. Boolean indicating whether to include full result, with meta information such as "total", and "limit". Defaults to FALSE.

Details

These assertions are called from various wrapper functions. However, you can also call this function directly to make sure that you are adding (programatically) the correct parameters to a call.

All validate_parameters parameters default to NULL. Asserts the correct parameter values for any values that are not NULL.

Value

A boolean if the parameter matches the Spotify Web API parameter range.
Index

* album functions
  - get_album, 10
  - get_albums, 11
  - get_discography, 20

* artist functions
  - get_artist, 13
  - get_artist_albums, 14
  - get_artist_top_tracks, 17
  - get_artists, 14
  - get_my_followed_artists, 27
  - get_related_artists, 45

* audio
  - get_playlist_audio_features, 36

* authentication functions
  - get_spotify_access_token, 48
  - get_spotify_authorization_code, 49

* authorization functions
  - scopes, 57

* features
  - get_playlist_audio_features, 36

* label functions
  - get_label_artists, 24

* musicology functions
  - get_artist_audio_features, 16
  - get_genre_artists, 22
  - get_playlist_audio_features, 36
  - get_track_audio_analysis, 52
  - get_track_audio_features, 52
  - get_user_audio_features, 53

* personalization functions
  - get_my_top_artists_or_tracks, 33
  - get_recommendations, 39
  - get_recommendations_all, 44

* player functions
  - get_my_current_playback, 26
  - get_my_currently_playing, 25
  - get_my_devices, 27
  - get_my_recently_played, 30
  - pause_my_playback, 55
  - seek_to_position, 59
  - set_my_repeat_mode, 60
  - skip_my_playback, 62
  - skip_my_playback_previous, 62
  - start_my_playback, 65
  - toggle_my_shuffle, 67
  - transfer_my_playback, 68

* playlist functions
  - add_tracks_to_playlist, 3
  - change_playlist_details, 4
  - check_users_following, 6
  - create_playlist, 7
  - get_my_playlists, 28
  - get_playlist, 35
  - get_user_playlists, 54
  - remove_tracks_from_playlist, 56
  - tidy, 66

* playlists
  - get_playlist_audio_features, 36

* search functions
  - search_spotify, 57

* track functions
  - get_album_tracks, 12
  - get_playlist_tracks, 37
  - get_track, 50
  - get_tracks, 51

* track
  - get_playlist_audio_features, 36

add_tracks_to_playlist, 3, 5, 7, 8, 29, 36, 55, 57, 64, 66
change_playlist_details, 4, 4, 7, 8, 29, 36, 55, 57, 64, 66
check_me_following, 5
check_users_following, 4, 5, 6, 8, 29, 36, 55, 57, 66
create_playlist, 4, 5, 7, 29, 36, 55, 57, 66
dedupe_album_names, 8

72
follow_artists_or_users, 9
follow_playlist, 9
get_artist, 10, 11, 20
get_album, 10, 11, 20
get_album_tracks, 12, 39, 50, 51, 64
get_albums, 11, 11, 20
get_artist, 13, 14, 16, 17, 28, 46, 63
get_artist_albums, 13, 14, 14, 17, 28, 46, 63
get_artist_audio_features, 16, 23, 36, 52, 53, 64
get_artist_top_tracks, 13, 14, 16, 17, 28, 46
get_artists, 13, 14, 16, 17, 28, 46, 63
get_categories, 18
get_category, 18
get_category_playlists, 19
get_discography, 11, 20, 64
get_featured_playlists, 21
get_genre_artists, 17, 22, 36, 52, 53, 64
get_label_artists, 24
get_my_current_playback, 25, 26, 27, 31, 56, 60–63, 66–68
get_my_currently_playing, 25, 26, 27, 31, 56, 60–63, 66–68
get_my_devices, 25, 26, 27, 31, 56, 60–63, 66–68
get_my_followed_artists, 13, 14, 16, 17, 27, 46
get_my_playlists, 4, 5, 7, 8, 28, 36, 55, 57, 66
get_my_profile, 29
get_my_recently_played, 25–27, 30, 56, 60–63, 66–68
get_my_saved_albums, 31
get_my_saved_tracks, 32
get_my_top_artists_or_tracks, 33, 44, 45, 64
get_new_releases, 34
get_playlist, 4, 5, 7, 8, 29, 35, 55, 57, 66
get_playlist_audio_features, 17, 23, 36, 52, 53, 64
get_playlist_cover_image, 37
get_playlist_tracks, 13, 37, 50, 51, 64
get_recommendations, 34, 39, 44, 45
get_recommendations_all, 34, 44, 44
get_related_artists, 13, 14, 16, 17, 28, 45, 63
get_show, 46
get_show_episodes, 47
get_shows, 46
get_spotify_access_token, 48, 50, 65
get_spotify_authorization_code, 49, 49, 57, 65
get_track, 13, 39, 50, 51, 64
get_track_audio_analysis, 17, 23, 36, 52, 63, 64
get_track_audio_features, 17, 23, 36, 52, 52, 53
get_tracks, 13, 39, 50, 51, 64
get_user_audio_features, 17, 23, 36, 52, 53, 53, 64
get_user_playlists, 4, 5, 7, 8, 29, 36, 54, 57, 64, 66
get_user_profile, 55
get_user_profile, 55
oauth2.0_token, 49, 50
pause_my_playback, 25–27, 31, 55, 60–63, 66–68
print_playlist(tidy), 66
remove_tracks_from_playlist, 4, 5, 7, 8, 29, 36, 55, 56, 66
scopes, 57
search_spotify, 57, 64
set_my_repeat_mode, 25–27, 31, 56, 60, 60, 62, 63, 66–68
set_my_volume, 61
skip_my_playback, 25–27, 31, 56, 60, 61, 62, 63, 66–68
spotifyfy, 63
start_my_playback, 25–27, 31, 56, 60–63, 65, 67, 68
tidy, 4, 5, 7, 8, 29, 36, 55, 57, 66, 66
toggle_my_shuffle, 25–27, 31, 56, 60–63, 66, 67, 68
transfer_my_playback, 25–27, 31, 56, 60–63, 66, 67, 68
unfollow_playlist, 69
validate_parameters, 69, 71